Dedicated KVM switch and rackmount screen technology

User Manual

NK2e / NK2b

1U Short Depth Keyboard Drawer

FC CE RoHS REACH

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Legal Information

First English printing, October 2002

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40° Celsius (104° Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing dam age to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being dam aged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invali date its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - ☐ Repair or attempted repair by anyone not authorized by us.
  - ☐ Any damage of the product due to shipment.
  - ☐ Removal or installation of the product.
  - ☐ Causes external to the product, such as electric power fluctuation or failure.
  - ☐ Use of supplies or parts not meeting our specifications.
  - ☐ Normal wear and tear.
  - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential instal-lation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Contents

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Before Installation

- It is very important to mount the equipment in a suitable cabinet or on a stable surface.
- Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.

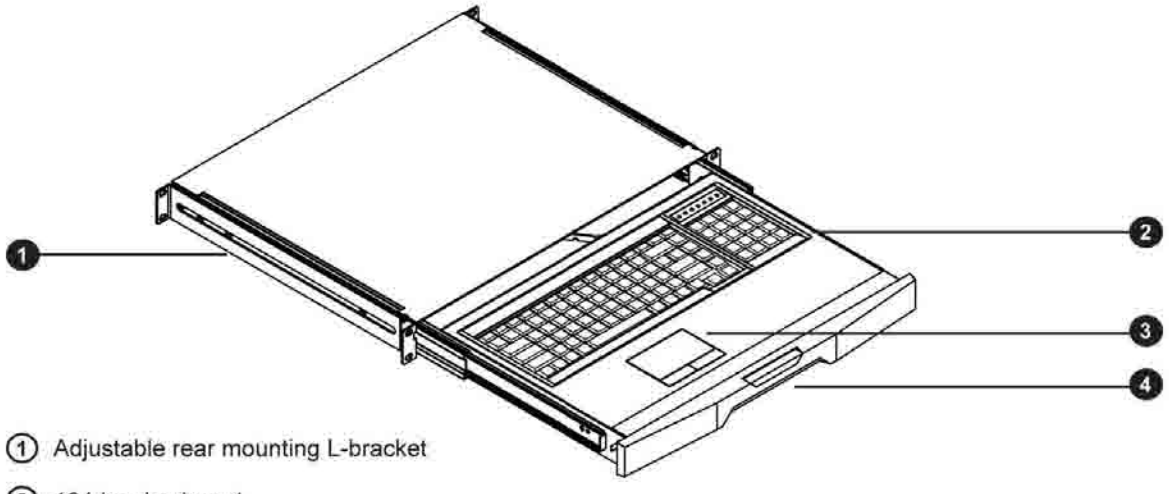
< Part 1 >

< 1.1 > Package Content

NK2e or NK2b unit X 1

- KC-3 6ft Combo keyboard mouse cable X 1
- M6 screw, cage nut & cup washer X 8

< 1.2 > Structure Diagram



① Adjustable rear mounting L-bracket

② 104-key keyboard

③ Mouse interchangeable module kit

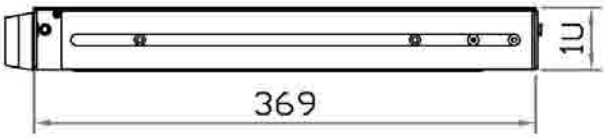
④ Carry handle to release the 2-pt lock

< 1.2 > Dimension

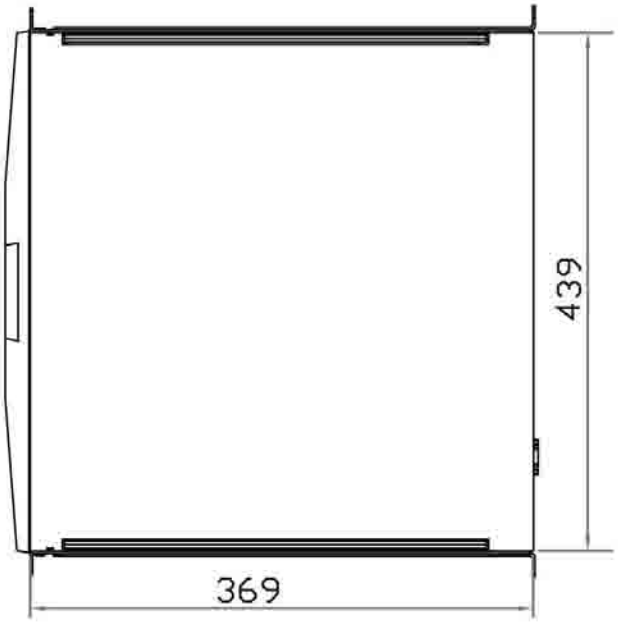
Front View

Side View

UNIT : mm
1mm = 0.03937 inch

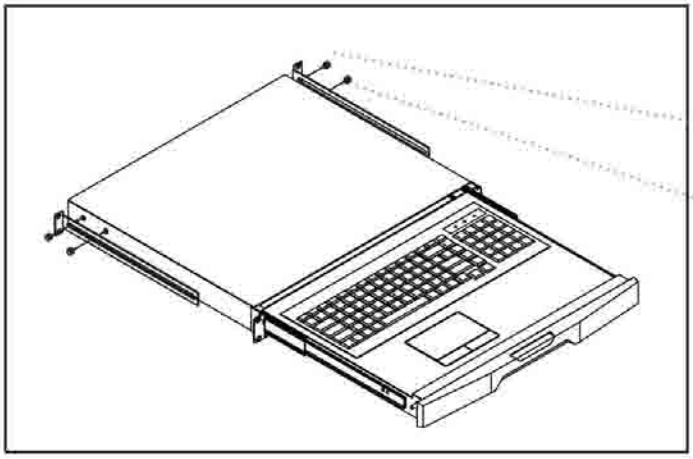


Top View

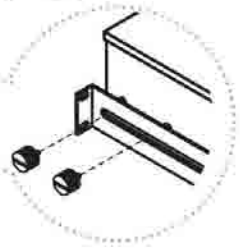


Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
NK2e / NK2b	439 x 369 x 44 mm 17.3 x 14.5 x 1.73"	582 x 500 x 100 mm 22.9 x 19.7 x 3.9"	7.4 kg 16.3 lb	9.5 kg 20.9 lb

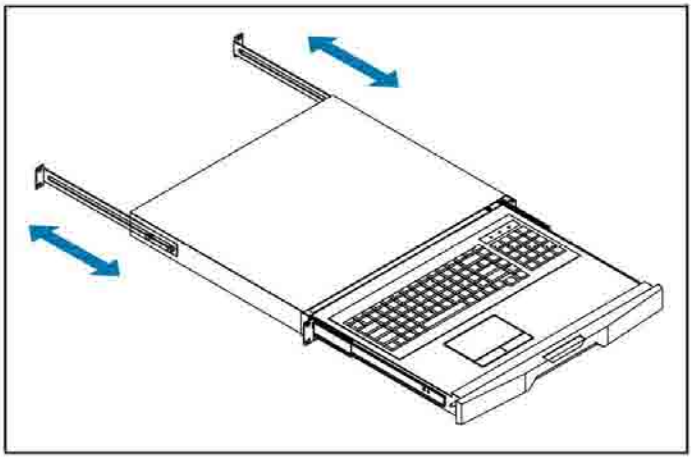
< 1.3 > Installation- How to install L-bracket



Step 1

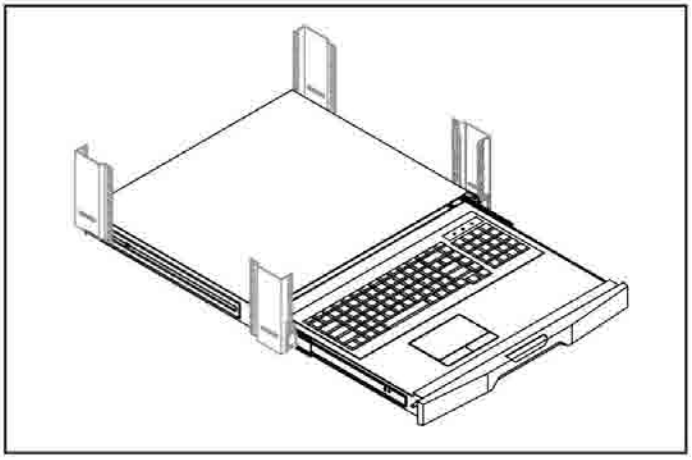


- Install left & right rear L-brackets with two fasteners shown above.
- Leave the fasteners slightly loose.



Step 2

- Measure the depth of the front and rear mounting rails.
- Align each rear L-bracket to a suitable length and tighten the fasteners.

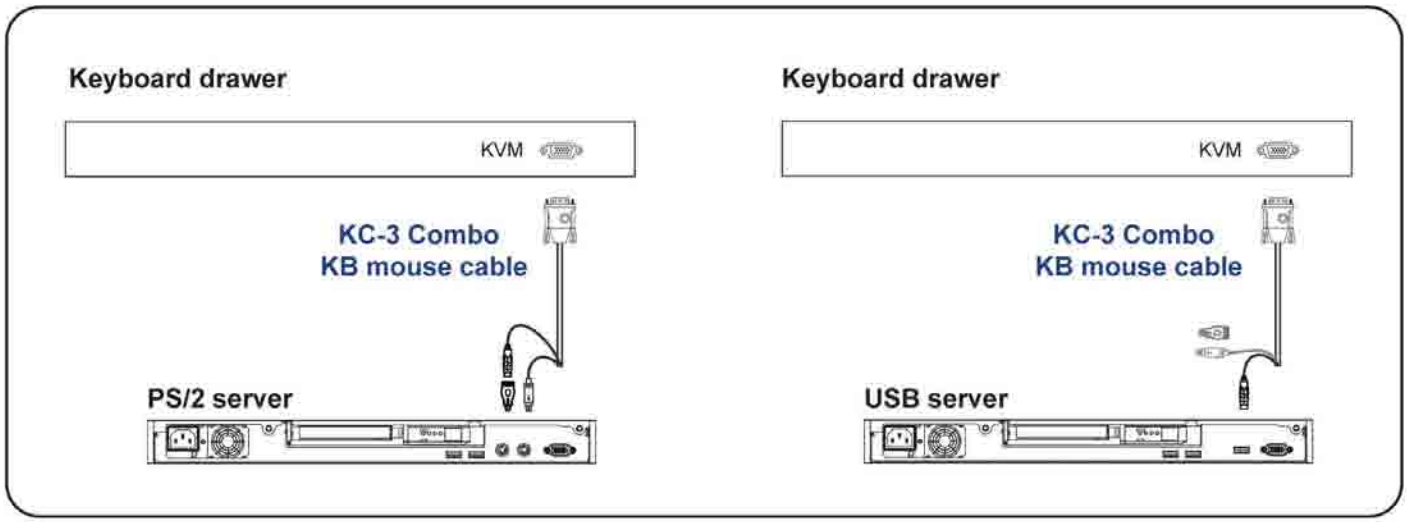


Step 3

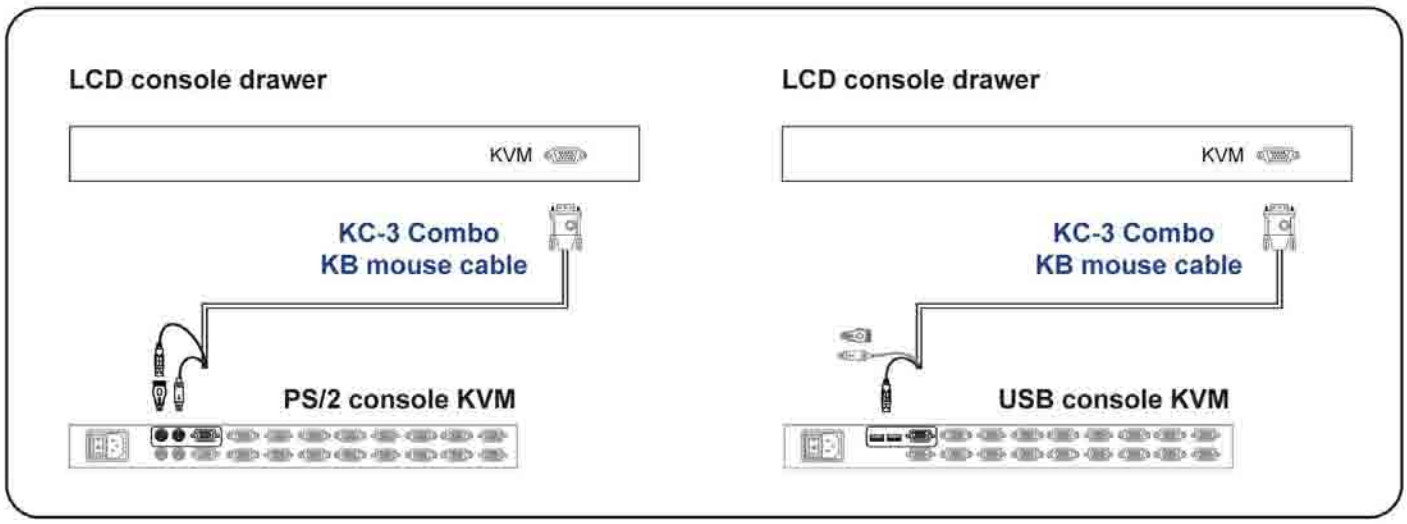
- Fix the keyboard drawer into the rack.

M6 mounting screws & cage nuts are not provided.

< 1.4 > Connection to PS/2 or USB Server



< 1.4 > Connection to external KVM

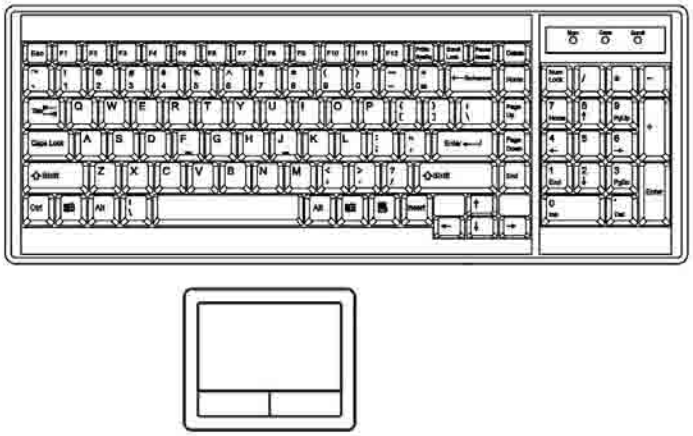


Caution : The keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and keyboard drawer. Before attempting to connect anything to the keyboard drawer, we suggest turning off the power to all devices. Apply power to connected devices again only after the keyboard drawer is receiving power. The company is not responsible for damage caused in this way.

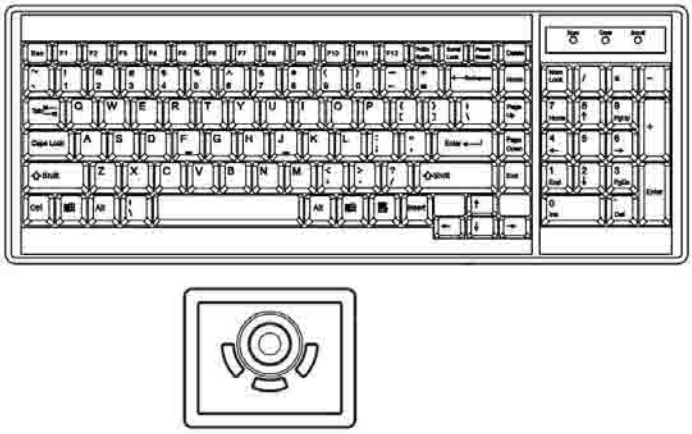
< Part 2 >

< 2.1 > Standard Keyboard / Mouse Specifications

Ge G keyboard integrated with touchpad



Gb G keyboard integrated with trackball



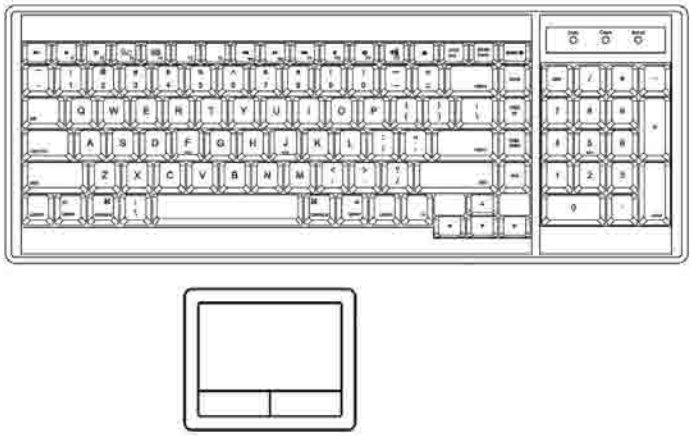
Key force	55 ± 5g
Travelling distance	3 ± 0.3mm
Switch life	> 10 million life cycle time
Software support	MS Windows 7 / 2008 / 2003 / 2000 / XP / ME / 98 / DOC Linux / Mac

Supporting layouts

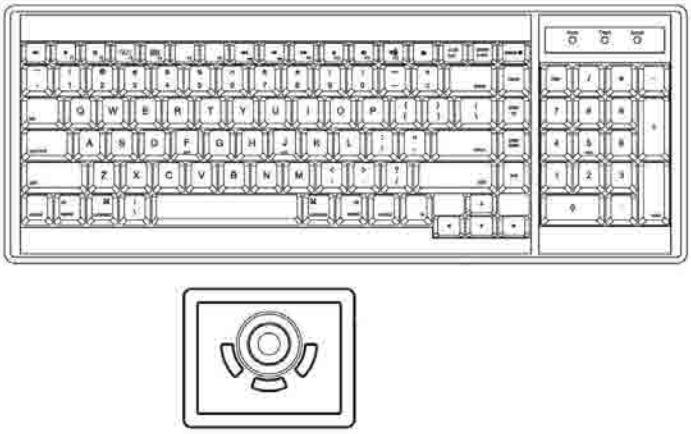
America	United States				
EMEA	United Kingdom	Germany	France	Spain	Norway
	Italy	Russia	Switzerland	Netherlands	Portugal
Asia	China	Japan	Korea	Arabia	Turkey

< 2.1 > MAC Keyboard / Mouse Options

Me MAC keyboard integrated with touchpad



Mb MAC keyboard integrated with trackball



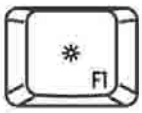
Supporting layouts

America

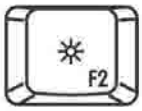
United States

How to Use "MAC" Keyboard

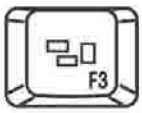
Keyboard Features



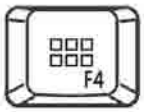
F1
Decrease display brightness



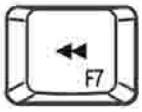
F2
Increase display brightness



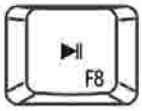
F3
Mission control
* Only works with OS X Lion default Keyboard Shortcuts.



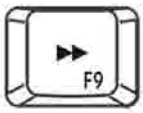
F4
Dashboard



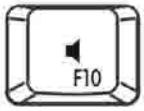
F7
Rewind



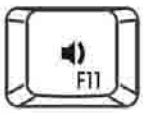
F8
Play / Pause



F9
Fast-forward

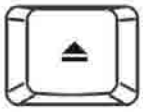


F10
Mute sound



F11
Decrease volume

F12
Increase volume

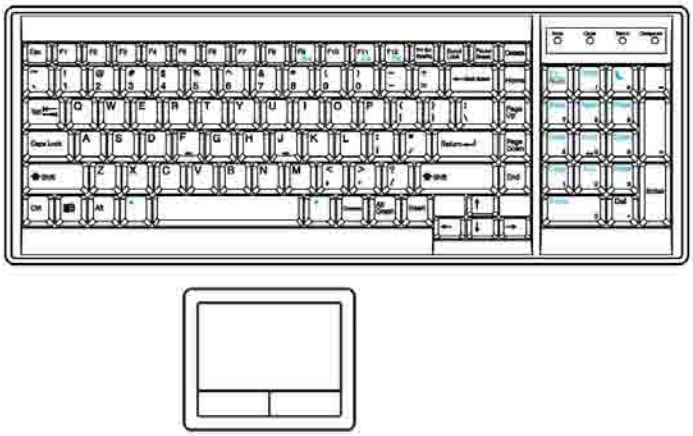


Eject disc

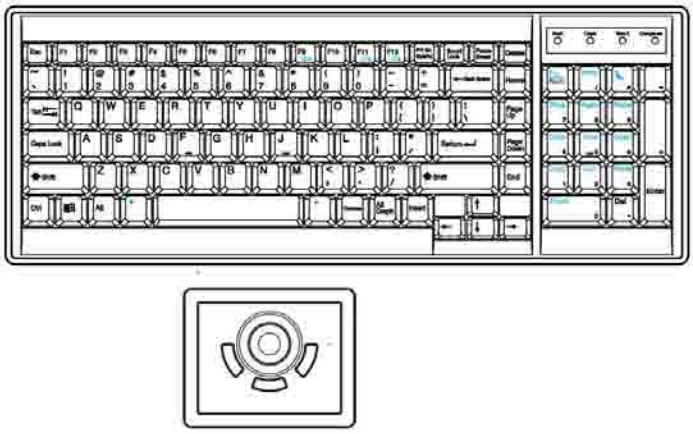
Command

< 2.1 > SUN Keyboard / Mouse Options

GSe GS keyboard integrated with touchpad



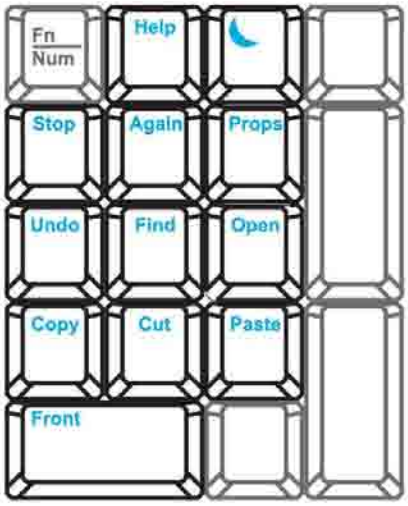
GSb GS keyboard integrated with trackball



GS keyboard integrated with touchpad / trackball

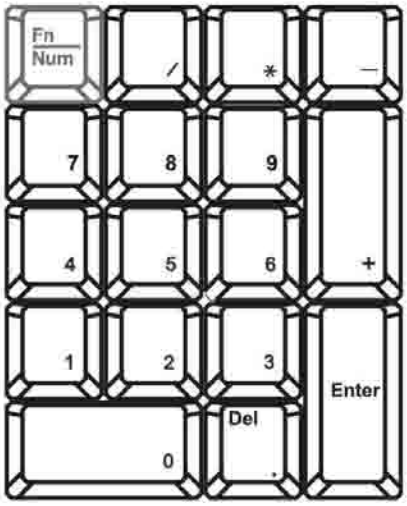
- Incorporates SUN keys, including Stop, Cut, Paste, Compose, Copy and Help
- 104 key notepad keyboard with full numerical pad and SUN function
- USB interface
- US layout only

How to Use "GS" Keyboard



Num LED in Off mode

Key pad behaves as a SUN Solar system administration command mode

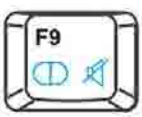


Num LED in Green mode

Key pad behaves as a normal key pad mode

Audio / Display Keys

* Please ask your supplier for full details



F9
Audio : Mute
Display : Degauss

F11
Audio : Decrease volume
Display : Decrease contrast

F12
Audio : Increase volume
Display : Increase contrast

< 2.2 > Environmental Conditions

Operating	Temperature	0 to 50°C degree
	Humidity	20~90%, non-condensing
Storage	Temperature	-5 to 60°C degree
	Humidity	5~90%, non-condensing
	Shock	10G acceleration (11ms duration)
	Vibration	5~500Hz 1G RMS random